

59. A method according to claim 58, wherein the scan is a jump scan.

60. A method according to claim 58, wherein the scan is a smooth scan.

61. A method according to claim 28, further comprising: 5  
scanning the second mass filter stage over a scanned range  
to provide a mass spectrum, wherein the scanned range  
is the sub-range.

62. The method of claim 32, further comprising: 10  
operating the first and second mass filters stages in a same  
stable operating region.

63. The method of claim 32, wherein the first mass filter  
stage and the second mass filter stage are scanned together to  
provide a mass spectrum.

64. The method of claim 63, wherein the scan is stepped 15  
from one transmission peak to another.

65. The method of claim 63, wherein the scan is a smooth  
scan.

66. The method of claim 32, further comprising: 20  
scanning the second mass filter stage over a scanned range  
to provide a mass spectrum, wherein the scanned range  
is the sub-range.

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